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Sequence Listing was accepted.

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Reviewer: Anne Corrigan

Timestamp: [year=2010; month=6; day=11; hr=13; min=24; sec=6; ms=160; ]

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Application No: 10539956 Version No: 4.0

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Actual SeqID Count: 116

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<110> NORRIS, STEVEN J.

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<141> 2006-04-06

<150> PCT/US03/041182

<151> 2003-12-22

<150> 60/435,077

<151> 2002-12-20

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<170> PatentIn Ver. 2.1

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Pro	Thr	Asn	Lys	Phe	Tyr	Gln	Ser	Val	Ile	Gln	Leu	Gly	Asn	Gly	Phe	
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125 130 135 140	
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gct gct aaa ggg gag aat aat aaa ggg gca ggg aag ttg ttt ggg aag	686
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Gly Ala Val Ser Ala Val Ser Gly Glu Gln Ile Leu Ser Ala Ile Val	
225 230 235	
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Thr Ala Ala Asp Ala Ala Glu Gln Asp Gly Lys Lys Pro Glu Glu Ala	
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Lys Asn Pro Ile Ala Ala Ala Ile Gly Asp Lys Asp Gly Gly Ala Glu	
255 260 265	
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Phe Gly Gln Asp Glu Met Lys Lys Asp Asp Gln Ile Ala Ala Ala Ile	
270 275 280	
gct ttg agg ggg atg gct aag gat gga aag ttt gct gtg aag gat ggt	974
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Ser Ser Gly Leu Arg Lys Val Gly Asp Ser Val Lys Ala Ala Ser Lys
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gaa aca cct cct gcc ttg aat aag tgatttaatt aagtgtatgg acacgactat 1172
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<213> Borrelia burgdorferi


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Pro Lys Lys Ser Asp Val Lys Thr Tyr Phe Thr Thr Val Ala Ala Lys
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Leu Glu Lys Thr Lys Thr Asp Leu Asn Ser Leu Pro Lys Glu Lys Ser
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Asp Ile Ser Ser Thr Thr Gly Lys Pro Asp Ser Thr Gly Ser Val Gly
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Thr Ala Val Glu Gly Ala Ile Lys Glu Val Ser Glu Leu Leu Asp Lys
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Ala Ile Gly Glu Val Val Ala Asp Ala Asp Ala Ala Lys Val Ala Asp
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 Ala Ala Glu Gln Asp Gly Lys Lys Pro Glu Glu Ala Lys Asn Pro Ile  
 245 250 255  
 Ala Ala Ala Ile Gly Asp Lys Asp Gly Gly Ala Glu Phe Gly Gln Asp  
 260 265 270  
 Glu Met Lys Lys Asp Asp Gln Ile Ala Ala Ala Ile Ala Leu Arg Gly  
 275 280 285  
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 Ala Glu Gly Ala Ile Lys Gly Ala Ala Glu Ser Ala Val Arg Lys Val  
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<220>

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<222> (1)..(1062)

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 Leu Thr Ser Ile Ala Asn Leu Gly Lys Gly Phe Leu Asp Val Phe Val  
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Thr Ser Val Lys Lys Lys Leu Gln Asp Glu Val Ala Lys Asn Gly Asn	
85 90 95	
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Tyr Pro Lys Val Lys Thr Ala Val Asp Glu Phe Val Ala Ile Leu Gly	
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Val Val Leu Lys Glu Gly Lys Ala Asp Ala Asp Ala Thr Lys Asp Asp	
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275

280

285

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aca ata aat gag gct ctt gct aca gtt aaa caa gaa gat aaa tct gta 1008  
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 85 90 95  
 Tyr Pro Lys Val Lys Thr Ala Val Asp Glu Phe Val Ala Ile Leu Gly  
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 Val Val Leu Lys Glu Gly Lys Ala Asp Ala Asp Ala Thr Lys Asp Asp  
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Asp Ala Asp Gln Ala Gly Val Lys Ala Asp Ala	